

113 578

Kg / Kcs



P.B.5818 - Patentlaan 2
2280 HV Rijswijk (ZH)
☎ +31 70 340 2040
TX 31651 epo nl
FAX +31 70 340 3016

Europäisches
Patentamt

Zweigstelle
in Den Haag
Recherchen-
abteilung

European
Patent Office

Branch at
The Hague
Search
division

Office européen
des brevets

Département à
La Haye
Division de la
recherche

Richardt, Markus Albert
Unter den Eichen 7
65195 Wiesbaden
ALLEMAGNE

Eingang bei ZPL

24. NOV 2003

Term.
Bearb.

02. Juni 2003

Datum/Date

03.06.03

Zeichen/Ref./Réf.

alca.202.17 EP

Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°.
03290369.2-2412-

Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire
ALCATEL

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☒ abstract

☒ title

☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract: 1

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|--|---|---|--|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int.Cl.7) |
| X | SPIRITO M A ET AL: "Preliminary experimental results of a GSM mobile phones positioning system based on timing advance" VEHICULAR TECHNOLOGY CONFERENCE, 1999. VTC 1999 - FALL. IEEE VTS 50TH AMSTERDAM, NETHERLANDS 19-22 SEPT. 1999, PISCATAWAY, NJ, USA, IEEE, US, 19 September 1999 (1999-09-19), pages 2072-2076, XP010353032 ISBN: 0-7803-5435-4 * par. I-IV, VI * | 1-10 | 601S1/02 |
| X | PISANO J J ET AL: "USING GPS TO CALIBRATE LORAN-C" IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, IEEE INC. NEW YORK, US, vol. 27, no. 4, 1 July 1991 (1991-07-01), pages 696-707, XP000259640 ISSN: 0018-9251 * pag. 702, par. V-A,V-B,V-C" * abstract * | 1-10 | TECHNICAL FIELDS SEARCHED (Int.Cl.7) G01S H04Q |
| X | LACHAPELLE G ET AL: "GPS versus Loran-C for vehicular navigation in urban and mountainous areas" VEHICLE NAVIGATION AND INFORMATION SYSTEMS CONFERENCE, 1993., PROCEEDINGS OF THE IEEE-IEE OTTAWA, ONT., CANADA 12-15 OCT. 1993, NEW YORK, NY, USA, IEEE, 12 October 1993 (1993-10-12), pages 456-459, XP010219761 ISBN: 0-7803-1235-X * par. "Equipment selection and field tests" * | 1-10 | |
| The present search report has been drawn up for all claims | | | |
| Place of search MUNICH | | Date of completion of the search 15 May 2003 | Examiner Falò, L |
| CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document | | | |

1

EPO FORM 1503 03.82 (P04C01)



| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|---|---|---|--|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int.CI.7) |
| A | US 2002/098851 A1 (ALBERTH WILLIAM P ET AL) 25 July 2002 (2002-07-25) * paragraph '0012! * * paragraph '0013! * * paragraph '0024! - paragraph '0050! * ----- | 1-10 | |
| | | | TECHNICAL FIELDS SEARCHED (Int.CI.7) |
| | | | |
| The present search report has been drawn up for all claims | | | |
| Place of search MUNICH | | Date of completion of the search 15 May 2003 | Examiner Falò, L |
| <div>CATEGORY OF CITED DOCUMENTS</div> <div><div>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</div><div>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document</div></div> | | | |

1
EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 29 0369

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

15-05-2003

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---------------------|----------------------------|---------------------|
| US 2002098851 A1 | 25-07-2002 | W0 02085047 A1 | 24-10-2002 |